

Date: Tue, 27 Apr 93 13:51:13 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #505
To: Info-Hams

Info-Hams Digest Tue, 27 Apr 93 Volume 93 : Issue 505

Today's Topics:

 AM Moulation Question
 Caravan mobile hF?
 Fast connect/disconnect (in/out) mobile rigs?
 Hamfest Help
 HAM What does it stand for?
 Need Advice on VHF Radios
 no-code defense (2 msgs)
 rsgb gb2rs news 25th april
 VHF/UHF TRANSCEIVER ADVICE REQUEST
 VK2SG RTTY DX Notes, 23 April
 X-tal filter 75 MHz

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 27 Apr 93 02:00:44 GMT
From: ogicse!uwm.edu!cs.utexas.edu!asuvax!chnews!joshua!jbromley@network.UCSD.EDU
Subject: AM Moulation Question
To: info-hams@ucsd.edu

In article <1rh42k\$c8l@hpscit.sc.hp.com> rkarlqu@scd.hp.com (Richard Karlquist)
writes:

>Actually, plate modulation has been obsolete for at least 25 years.
>What is done in modern broadcast transmitters is to build a matched
>pair of transmitters, each of which puts out half the total power.
>The audio is applied to them as *phase-modulation*. The two transmitters

>are summed together at the outputs in a high-power combiner hybrid
>which feeds the antenna. I don't remember what the phase relationship
>of the combiner is, or the phase relationship of the audio modulation, but
>I know it has been in use for decades at AM radio stations. The reason
>why this can work is that a narrow band phase modulation signal is
>identical to an AM signal, except that the carrier is 90 degrees out
>of phase in the PM case.

>

>Rick N6RK

>rkarlqu@scd.hp.com

This system was used in RCA MF and HF transmitters in the 60's and
70's. They called it "Ampliphase". For some strange reason, I remember
the phase relationship as being 22.5 degrees between each side of
the transmitter at no modulation.

I never had to work on one of these mutha's. I hear that if you had
a directional antenna with a common-point impedance that went whizzing
through zero reactance at carrier frequency but did squirrely
things in the sidebands that you were fried with an ampliphase rig.

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+-----+-----+
| Jim Bromley W5GYJ | | Celebrating 30 years as a No-Code Technician |
| Intel Corp. m/s CH3-91 | | 5000 W. Chandler Blvd. |
| 5000 W. Chandler Blvd. | | Chandler,AZ 85226 |
| Chandler,AZ 85226 | | tel: 602-554-5183 |
| tel: 602-554-5183 | | Internet: jlbromley@sedona.intel.com |
+-----+-----+
```

Date: 26 Apr 1993 17:02:33 GMT

From: wupost!howland.reston.ans.net!news.ans.net!malgudi.oar.net!news.ysu.edu!
yfn.ysu.edu!ag821@decwrl.dec.com

Subject: Caravan mobile hF?

To: info-hams@ucsd.edu

I am planning on buying a mini van. Does anyone know
about using HF mobile in a Dodge Caravan. I know there
are some serious problems with compouter systems in
some vehicles, and noise inteference?

I would either use my 757GX or my Argonaut 509
thanks

Jeff,AC4HFex

--

Jeff M. Gold, AC4HF

Manager, Academic Computing Support
Tennessee Technological University

Date: Mon, 26 Apr 1993 18:52:20 GMT
From: usc!cs.utexas.edu!uwm.edu!spool.mu.edu!mixcom.com!mei.mon@network.UCSD.EDU
Subject: Fast connect/disconnect (in/out) mobile rigs?
To: info-hams@ucsd.edu

In <BAT.93Apr20084203@gdstech.GRUMMAN.COM> bat@gdstech.GRUMMAN.COM (Pat Masterson) writes:

> Most new Hams who get on 2 meters acquire an HT first. This way,
> they have a radio to use in the car, and at home as a base or
> packet station. But, they start adding accessories, like
> speaker mikes, 12 volt lighter cords, amplifiers, etc. Soon,
> the cost of the setup is near the cost of a good mobile rig,
> which can also be used at home for base or packet work.
> I wore out 3 connectors on top of my HT with the constant
> moving of the radio. So, I got an IC-229h, and it's much easier
> on me.

I agree. I'm beating the hell out of my Alinco DJ580's connector.

Unfortunately, I do not (yet) live in the affluent low crime rate suburbs. So theft is a concern of mine. Which is why I started with an HT.

Are there any quick connect/disconnect mobile rigs (2 meter or dual band) available? I'm thinking of something where the entire unit (not just the front panel) slides in or out of a chassis which automatically makes/breaks the power AND antenna connections. I would like to be able to just grab hold of the unit and pull. A neat feature would be a similar "back plane" in my condo that I could then slide it into when I get home! Any one make such a rig?

Kevin Jessup, N9SQB

Temporarily using our companies corporate account. Many other individuals use it as well. Please state in any E-mail follow-ups that the mail is intended for me so as to avoid confusion. Thanks.

Marquette Electronics, Inc. account information follows...

--
mei.mon@mixcom.com

Date: 27 Apr 93 19:32:59 GMT
From: news-mail-gateway@ucsd.edu
Subject: Hamfest Help
To: info-hams@ucsd.edu

When is the Rochester, New Hamshire fest (used to be Dearfield)

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: 27 Apr 93 01:54:42 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!
usenet.ins.cwru.edu!cleveland.Freenet.Edu!cd159@network.UCSD.EDU
Subject: HAM What does it stand for?
To: info-hams@ucsd.edu

Hi everybody,

I have a quick question for you. What exactly does HAM stand for?
Please reply to my email address, SCOTT.R.BARNETT@CYBER.WIDENER.EDU, as I
do not allways have a chance to check news. Thank you.

Scott Barnett
Scott.R.Barnett@cyber.widener.edu
HAM - N30FO

--
Scott R. Barnett Scott.R.Barnett@cyber.widener.edu
Computer Lab Manager cd159@cleveland.freenet.edu
Widener University This way to the Egress! - P.T. Barnum
All opinions expressed or implied are my own and no one elses!

Date: Mon, 26 Apr 1993 22:13:49 GMT
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!uvaarpa!murdoch!
murdoch.acc.virginia.edu!prt7u@network.UCSD.EDU
Subject: Need Advice on VHF Radios
To: info-hams@ucsd.edu

>>>>> On Mon, 26 Apr 1993 19:23:31 GMT, btoback@netcom.com (Bruce Toback) said:

Bruce> Having just passed my Advanced after over 10 years away from ham radio,
Bruce> I'm looking at my equipment and thinking...

Bruce> Second, I'm looking for another HT, preferably one that will cover

Bruce> 70cm as well as 2m. I know there are a bunch of these, but I'm
Bruce> also looking for something will receive AM on the aircraft band
Bruce> (I'm willing to do some mods), and -- pushing it, I know --
Bruce> transmit AM on the aircraft band as well. If anyone knows of a
Bruce> radio that might come close, I'd like to hear about it. (I'm
Bruce> looking for all of this in _one_ box, of course!)

Well...Looks like you're in luck...The above radio you are describing
is the Yaesu FT-530. It is a very nice Dual Band radio that will also
receive AM on the aircraft band. I am not too sure about the transmit
part...you'll have to ask around about that...

Only reason I know about this is the fact that I have one and I like
it a whole lot...it is a really cool setup.

Later,

Pete

--

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+-----+
| Peter R. Thorsen Jr.                | My thoughts on Gun Control:      |
| Academic Computing                  |                                 |
| Information Technology & Communications | "I'd rather be judged by 12 than |
| University of Virginia              | carried by 6."                  |
|                                     |                                 |
| E-Mail Address: redneck@Virginia.EDU |                                 |
+-----+
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Date: Sun, 25 Apr 1993 13:14:06 EST
From: anomaly.sbs.com!n1mpq!news@uunet.uu.net
Subject: no-code defense
To: info-hams@ucsd.edu

jim@n5ial.mythical.com (Jim Graham) writes:

> you don't need to defend yourself---the ``people'' flaming folks with the
> no-code license are, by far, the minority. they do *NOT* represent the
> opinion of the majority of Amateur Radio operators. there are some rather
> vocal anti-no-code types on this group, but hey, after the split of the
> group, they'll be limited to rec.radio.amateur.flame ;-} ... so you
> shouldn't need to worry about hearing from them, even, after that. :-)

Well, there isn't too much bad with the no-code license. It's just when
they start screaming for extra priveledges on HF etc that it gets me a
little bit bent out of shape. As for the opposition to the no-code
license, well... if you look at QST roughly 10 years ago there's a

violent no-code stance in it.

Tony

```
-----  
-- Anthony S. Pelliccio, kd1nr/ae      // Yes, you read it right, the //  
-- system @ garlic.sbs.com           // man who went from No-Code //  
-----// (Thhhppptt!) to Extra in    //  
-- Flame Retardent Sysadmin         // exactly one year!         //  
-----
```

```
-- This is a calm .sig! --  
-----
```

```
-----  
Date: 26 Apr 1993 18:08:05 GMT  
From: wupost!howland.reston.ans.net!agate!doc.ic.ac.uk!warwick!kinguni2!vulture!  
ap_v132@decwrl.dec.com  
Subject: no-code defense  
To: info-hams@ucsd.edu
```

Anthony S. Pelliccio (system@garlic.sbs.com) wrote:
: miked@nauvax.ucc.nau.edu writes:

: It also depends on what area of the country you're in. I know out here,
: 2m has become the CB of the ham bands. And hey, look at Britain where
: they won't allow their entry class licensees access to 144-146MHz
: because of "Congestion and poor operating practices."

: Tony

What exactly do you mean by 'entry class licencees'? I live in the UK and am just about to take my RAE (next week in fact) and I am not aware of any restrictions as to who can use the 144-146MHz band. Plus, I would just like to point out that 'no-codes' as you call them, do not all pass by looking at a question pool. The only time I ever heard of a 'question pool' was on this news group and it is the 'no-code' which I will be taking. I intend to pass my exam by means of a bit of hard work which has been fitted into what spare time I have. I will take my full licence when I have the time and cash but I do not see what gives people who already have 'code' licences the right to treat us like second class users. Okay, so there are some people who choose to abuse their access to the radio amateur frequencies, but who has the right to generalise and tar us all with the same brush.

Sorry, this was not intended to develop into a candidate for alt.flame. I have worked very hard and waited for a long time to get my licence and I am looking forward to being able to take my morse test later. It just gets a bit annoying to be generalised about all the time before I even have a chance to prove

myself.

-Niall

--

--*****--

Niall Pagdin, Student Advisory (SC), Kingston University,
Kingston-upon-Thames, London, England.
E-Mail: niall@atlas.king.ac.uk

"Paranoia is not a disease - its a way of life!"

Date: Sat, 24 Apr 1993 19:49:15 GMT
From: overload.lbl.gov!agate!howland.reston.ans.net!zaphod.mps.ohio-state.edu!
caen!destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!alberta!nebulus!
ve6mgs!tedb.demon.co.@dog.ee.lbl.gov
Subject: rsgb gb2rs news 25th april
To: info-hams@ucsd.edu

Good morning. It's Sunday the 25th of April and here is the GB2RS news broadcast, prepared by the Radio Society of Great Britain.

First the headlines:- BT supports amateur radio; a radio amateur is prosecuted; and a there's a possible licensing hitch for married amateurs.

British Telecom has indicated its support for the RSGB's Project YEAR by donating videos and booklets to help with Novice training. Project YEAR - Youth into Electronics via Amateur Radio - is an ongoing initiative by the Society aimed at encouraging young people into the hobby. It involves several books, the Novice Licence, a video - Amateur Radio for Beginners - which is available to clubs from the RSGB Audio Visual Library, and a magazine D-i-Y Radio.

If your club is holding an event which is particularly suited to the beginner or Novice licensee, the RSGB can provide publicity for the event in D-i-Y Radio. Details of relevant meetings, rallies or open days should be sent to Marcia Brimson at RSGB HQ, marked D-i-Y Radio. And don't forget to tell us about any committee members with special responsibility for newcomers and Novices.

The Radiocommunications Agency of the DTI has announced a successful prosecution under the Wireless Telegraphy Act 1949. On the 25th of March, at Lisburn Magistrates Court in Northern Ireland, a radio amateur was fined a hundred pounds with ten pounds costs and had to forfeit his transceiver said

to be worth five hundred pounds. The prosecution, which was for using frequencies not covered by the defendant's licence, came about following television interference complaints and followed several warnings. Next Thursday, at Dudley Magistrates Court, the RA will be prosecuting another radio amateur in a case which involves abuse of the amateur repeater network in the Midlands. The RA says that information supplied by the RSGB's Amateur Radio Observation Service was particularly helpful in preparing the case.

The RSGB '93 Show takes place on Sunday the 16th of May at the National Exhibition Centre, near Birmingham. There will be the usual trade stands in a single huge hall, plus a large display of the work of RSGB Headquarters and of the Society's committees. The National Vintage Communications Fair is also being held that day in the NEC complex. Many visitors will wish to visit both shows and reduced rates are available for this.

The May edition of Radio Communication will be posted to all RSGB members in the next few days. It contains the latest on RAEN Ltd, repeater licensing and VHF awards. The full text is given of the amendment to the Amateur Radio Licence, concerning the 430MHz band, which we announced recently on GB2RS.

The organisation which processes amateur radio licences, Subscription Services Ltd, has said that it regrets that, at present, it can collect only one Direct Debit from a bank account for licence renewal fees. This has caused difficulty where two licensees sharing a joint bank account have different renewal dates. The situation is likely to be resolved shortly but in the meantime anyone who is in this position is advised to make alternative payment arrangements.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0. From Bahrain, DL1WH will sign A92WH from now until the end of June 1993. He may also use the club callsign A92C. From Crete, a group of Greek amateurs will use the callsign J49GI from Gavdos Island, starting on Sunday the 2nd to Friday the 7th of May. Check these frequencies: On CW 1835, 3525, 7025, 14025, 21025 and 28025kHz and for SSB 1845, 3795, 7045, 14195, 21295 and 28495kHz. They also hope to be on the WARC bands. From Sierra Leone, K5LBU is now active as 9L1CB. His tour with of 2 years with the Baptist Mission ends in early 1995. From Kampuchea, HA7VK is now active as XU7VK from now until the end of June. From Tromelin Island, FR5ZQ/T is said to be active around 14.120MHz after 1700GMT. From Guadeloupe Island, the XF1G team now expect to be active from now until Thursday the 29th of April.

We know of three rallies scheduled for today, Sunday the 25th of April:

The Bridlington and District Amateur Radio Society's East Yorkshire Rally is being held at The Spa, Bridlington. Doors open at 11.00am, or 10.30am for disabled visitors. There are many traders, club stands and a bring & buy stall. Refreshments are available.

The Bury Radio Society Hamfeast is being held at the Bury Leisure Centre, Bolton Street, Bury, Lancs.

The Dacorum Amateur Radio and Transmitting Society Car Boot Sale is being held at the Heath Park Hotel, Hemel Hempstead, Hertfordshire.

Rallies for Sunday the 2nd of May:

The Anglo-Scottish Rally is to be held at Tait Hall, Kelso. Further details can be obtained from Bruce, GM4UIB, by telephoning 0573 224654 (evenings only).

The British Amateur Television Club Rally is to be held at Harlaxton Manor, Near Grantham, Lincolnshire. It is just one mile off the A1 (signposted). Doors open at 10.00am. There will be the usual traders inside and an outside flea market. The event features a lecture programme and demonstrations, and refreshments will be available. Talk-in will be on Channels S22, SU22 and via GB3GR on RB11. The entrance fee covers access to the new Harlaxton Gardens which is an ideal family venue. A substantial reduction in entrance fee is available on production of a copy of Radio Communication or CQ-TV magazines. Further details are available from Paul, G8MJW on 0522 703348.

Rally for Monday the 3rd:

The Mid Cheshire Amateur Radio Society Rally is to be held at the Civic Hall, Winsford, Cheshire. Doors open at 11.00am, or 10.30 for disabled visitors. Full catering and ample car parking. Further details can be obtained from David, G4XUV on 0606 77787.

News now of a cancelled Rally:

The Scarborough Amateur Radio Electronics and Computer Rally scheduled for Sunday the 25th of July has had to be cancelled by the organisers. They will now concentrate on finding a suitable new venue for July 1994. Further details from Ross, G4ZNZ on 0723 514767.

HF contest news next:

The RSGB's 1993 National Field Day, the Golden Jubilee event, takes place in June. All Groups intending to participate are reminded that they need to send details of their site to Chris, G3SJJ, QTHR, to arrive no later than the 1st of May 1993. See February RadCom page 66 for further details. The next RSGB Slow CW Cumulative Contest takes place on Thursday the 29th, from 1830 to 2000GMT, using 3.530 to 3.580MHz only. See March RadCom, page 81 for the rules. The AG CW DL QRP/QRP Party is scheduled to run from 1300 to 1900 on Saturday the 1st of May using 3.510 to 3.560MHz and 7.010 to 7.040MHz CW only. See April Radcom page 13 for band and class details.

Now some UHF contest news:

The RSGB 432MHz to 24GHz Contest starts next Saturday the 1st at 1400GMT and finishes at 1400GMT on Sunday the 2nd of May. Also during Saturday the 70cm Trophy Contest will take place from 1400 to 2200GMT. See February RadCom page 66 for details, but note that the date for the 70cm Trophy is printed incorrectly; it should read the 1st of May.

Special event stations this week include:

GB2AMN which will be aired by RAF Finningly Amateur Radio Society during today Sunday the 25th to celebrate the opening of Newark Air Museum 20 years ago. The station is operating from two aircraft in the static display at the Museum; the HF station from a Varsity and the VHF SSB station from a Shackleton. All contacts plus SWL reports will receive a QSL card.

And now the solar factual data

There is an extended period this week - the 9th to the 18th of April - due to catching up with the missing holiday data. Solar activity collapsed on the 13th when the sun spot count dropped to only 15, and further declined to only 12 by the 14th; this is the lowest level since February 12th 1988. Levels improved slowly and the count reached 67 by the 18th. The period meaned about 68. There has only been 1 flare of any note during the period, an M8.7/1B on the 18th, which was accompanied by types 2 and 4 radio wave sweeps. These are mainly in the HF region down to about 5MHz. Solar flux levels were up to 136 units on the 12th, but declined to only 88 units by the 15th. However levels were recovering by the 18th when they reached 106, the period averaged 105 units. The geomagnetic Ap index has been mainly unsettled throughout the period, but the 9th was up to a sub storm level of 32 units, and the period 13th to 15th was up to sub storm levels of 28 units. The period averaged 19.8 units. The state has been nil, nothing to report, all the period. The radio quality indices have declined almost every day from just normal down to very poor by the 18th; all circuits have at various times been down to very poor. This week we have not yet received the aa indices. The X-ray flux declined to the lowest levels so far since this data has been broadcast. On the 15th and 16th levels declined to only A7.8 but recovered to B2.0 by the 17th; the period averaged about B2.9.

Now the ionospheric data for Central France:

The F2 daytime critical frequencies at Poitiers, as reported by Meudon, declined and levels averaged 7.4MHz, though some days were down to 6.8MHz. The darkness hour lows averaged 3.0MHz and have not varied much day to day. The lows are now about 0400 hours but the highs are anything between 1200 hours up to 1900 hours varying considerably day to day.

Now the ionospheric data for the north:

Since the 10th April we are now getting the F2 daytime critical frequencies from Ekaterinberg again - it is not known why they stopped - so for the daily highs levels averaged 7.8MHz. The darkness hour lows averaged 3.1MHz.

And lastly the solar forecast:

This week it seems that a major restructuring is taking place on the sun and until this is established it is very difficult to say what is likely to happen. It looks likely that a more active part of the sun will be looking our way. Solar flux levels are likely to be about the 120s. Geomagnetic levels are expected to be just unsettled. Past history of the radio quality indices suggests that ionospheric conditions should be up to normal.

And that is the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns issued were in the G0 T 0 and G7 0 V series, and Novice calls in the 2 0 A F and 2 1 B Q series.

You're listening to GB2RS, the news broadcasting service of the Radio Society of Great Britain, transmitting in the 80, 40, 6 and 2 metre bands.

Date: 27 Apr 93 19:28:47 GMT
From: news-mail-gateway@ucsd.edu
Subject: VHF/UHF TRANSCEIVER ADVICE REQUEST
To: info-hams@ucsd.edu

Friends,

I'm a new no-code trying to decide what appliances to buy to get into packet and UHF/VHF. I picked up a PK-88 last week in Seattle and will be shopping for a VHF and/or UHF transceiver next week in San Diego. (I even plan to visit HRO.) I feel that it's better to obtain a mobile setup that I can move into the house for packet and fixed voice operations. Question is.... should I go the extra expense of obtaining both 2m and 70 cm capability?

BTW, my current QTH is Pearl Harbor but Uncle is about to send me to Norfolk, VA. Any Norfolk specific comments on packet and/or voice activity would also be appreciated.

E-mail directly to me at 4311@cpf.navy.mil

73 Fred (Call Pending)

Date: Mon, 26 Apr 93 16:11:52 GMT
From: wupost!howland.reston.ans.net!zaphod.mps.ohio-state.edu!mstar!n8emr!
bulletin@decwrl.dec.com
Subject: VK2SG RTTY DX Notes, 23 April
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

SB DX @ ALLBBS \$RTDX0423
VK2SG RTTY DX Notes, 23 April
VK2SG RTTY DX Notes for week ending 23 April 1993 (BID RTDX0423)

Although the solar flux dropped dramatically very low down to 88,
we've done our best to put together this week's notes. To those going
to Dayton, have fun, a good time, and don't talk too much.

There are still stations who remove the opening stanza and the credits
as well as the signoff, and pass this bulletin around. That is not
fair.

Thanks this week go to CE3GDN, ZS5S, W2JGR, WB2CJL, K0IR, WA4JQS,
WA1MPB, I5ICY, DJ3IW and the Central Europe DX Cluster node DB0SPC,
and the NJ0M node of the Twin Cities DX Packet Cluster. TNX chaps.

Bandpass:

Friday 16
0015-14085 HR1RBB
0129-14080 PZ1BS
0642-14074 SU1AH ARQ
1525-14083 9K2IC
1704-14086 VR2GC QSL c/o Harots, GPO Box 541 Hong Kong
1743-14076 UT5RP ARQ
1917-14085 S79PDL
2012-14085 CN8NP
2020-14086 VP8CIL
2131-14083 NP4AT

2229-14085 9Y4SF
2329-14083 HI8LEZ

Saturday 17

0057-14087 VP8CIL
0249-14083 OA4CN
0950-14083 5W1CW Ron, ZL1AM0
1143-14081 UL7MU
1155-14085 F040D
1225-21086 7Q7ZZ
1226-21084 9K2WA
1350-14084 9K2JR
1359-14087 AP2KS
1700-21084 5R8DG
1755-21073 TZ1BK ARQ Qs1 via TU2BB
1823-14088 5B4VX
2101-14086 S92ZM
2131-14083 CN8NP
2200-14088 C02JA
2317-21085 C21/VK2BEX
2359-14088 9Y4SF

Sunday 18

0224-14088 VR6BX
1334-21072 ZD8SA ARQ
1345-14070 YL2JN ARQ
1352-14083 TA2FT ARQ
1540-14089 ES7QF
1546-21085 VQ9TV
1624-14083 CU3LF
1643-14086 ET3SID
1701-14085 HP1XVI
1705-21089 AA4HU/D2
1712-21085 HJ4SAN
1821-14091 C91A
1857-14087 9A1CCY
2025-14084 AL7NO

Monday 19

0013-14084 HR1RBB QSL Roberto Bastidas, United Nations/ITU,
P.O. Box 976, Tegucigalpa, Honduras
0138-14085 VE8MN Zone 1
0150-14088 OA4CN
1133-14081 OM3MM
1140-14088 C21/VK2BEX
1144-14085 RC2AY
1631-14082 UG6GG
1647-14084 VR2GC

1802-14088 9A1CCY

Tuesday 20

1213-14088 OM3MM

1620-14089 RT7U

2113-14085 KP4CKY

2201-21084 YN5JAR

2302-14088 AL7NO

Wednesday 21

0650-14087 GJ0HCJ

2212-14073 XT2BW ARQ

2217-14072 SU1AH ARQ

2220-14087 WP4Q

Thursday 22

0550-14086 TA8ZA QSL Via TA5C

1336-21082 YI1AL

Notes of Interest:

3Y, PETER I Is. will be activated by a core group of the VP8SSI team, with an international team of 10 ops. Four HF stations with an all mode operation, including RTTY, are scheduled to start Feb. 1, 1994 and continue for 16 days. Contributions are needed, and will be accepted by AA6BB and KA6V, who will also serve as QSL managers. If for any reason the expedition does not come off, all donations will be returned.

5X UGANDA. Don't forget Uganda by Paul, WF5T and James, N3JCL, operating as 5X1AB and 5X1AA respectively from 27 April to 12 May. QSL RTTY contacts via WF5T.

3C EQUATORIAL GUINEA. Currently Ed, 3C1TR is on SSB only, however RTTY and CW may be in the near future. QSL via KE7N.

T7 SAN MARINO. To celebrate the entrance of San Marino Republic into the European Council, F6FQK, F6IFE, FB1NAN, FD1NLY and several T7s will operate as T71CE from 6 to 10 May. Activity will be on all bands, including WARCs on SSB, CW and RTTY.

Send your bandpass and notes for next week to Jules, W2JGR @ CE3GDN.#STG.CHL.SA or to W2JGR @ ZS5S.ZAF.AF.

GL de (DX2) Luciano, I5FLN AT ZS5S.ZAF.AF

Edited for Packet and Pactor by W5KSI, N6EQZ and KT7H.

/EX

SP KT7H @ N7DUO.WA.USA

Date: 27 Apr 93 01:17:15 GMT
From: elroy.jpl.nasa.gov!usc!sdd.hp.com!hpscit.sc.hp.com!rkarlqu@decwrl.dec.com
Subject: X-tal filter 75 MHz
To: info-hams@ucsd.edu

Zack Lau (zlau@arrl.org) wrote:

: In rec.radio.amateur.misc, dihi@bsdihi.atr.bso.nl (Dick Hissink) writes:
: >Where can I buy a 75 Mhz X-tal filter, bandwidth 2,4 kHz. ???
: >What is the price for such a filter??
: >
: >Any reactions welcome!
:
: I doubt you can afford to buy one, though I have an idea
: how to build one. First off, you need very high Q crystals,
: probably around 300,000 or better to really make this work.
: While I've heard it is possible to get crystals made with
: Qs in excess of a million, I've also heard they don't like

At 75 MHz., the maximum theoretical Q achievable for an AT cut quartz crystal (due strictly to quartz losses) is only 200,000. A quick check of my Telequartz catalog shows that they have a typical Q of 130,000 for 5th overtone 75 MHz. crystals. If we assume an unloaded Q of 130,000, the insertion loss for a 2.4 kHz. bandpass filter will be on the order of 3 dB. per pole. That is, a 4-pole filter will have 12 dB. of loss. An 8-pole filter, which is probably more like what you had in mind would have 24 dB. of loss. You would probably want to implement the filter as a series of 2-pole filters in cascade with amplifiers in between. Note that the 2-pole filters would have to have different frequency responses among them to get an overall rectangular shape.

Rick N6RK
rkarlqu@scd.hp.com

Date: Sun, 25 Apr 1993 13:49:45 EST
From: anomaly.sbs.com!n1mpq!news@uunet.uu.net
To: info-hams@ucsd.edu

References <20APR93.19314607@nauvax.ucc.nau.edu>,
<1993Apr24.110011.23106@anomaly.sbs.com>, <RFM.93Apr24165314@urth.eng.sun.com>
Subject : Re: no-code defense

rfm@urth.eng.sun.com (Richard McAllister) writes:

> In article <1993Apr24.110011.23106@anomaly.sbs.com> kd1hz@anomaly.sbs.com (Re
> v. Michael P. Deignan) writes:

>

> miked@nauvax.ucc.nau.edu writes:

>

> >I am currently a no-code (N7YIR)...

> >I do not have a lot of "extra" time to study code.

>

> If you're so busy, how did you have time to study the Element 2 and 3A
> question pools?

>

> Don't want to answer for Mike, but all it took for me to pass the written
> was a few hours of reading, randomly scattered over a few weeks. After
> all, most of the "theory" is old hat or guessable to anybody that
> remembers E&M from college physics and most of the regulation questions
> can be answered by applying common sense, which leaves only trivia
> like band edges and a little operating knowledge to learn.

You're right on that. Even minimal exposure to electronics will allow
you to pass elements 2 and 3A. 3B isn't much worse, but 4A can get a
little hairy if you're not totally familiar with things like phase
angles, Thevenin's Theorem and the basic types of oscillators (Colpitts,
Hartely, etc...) but with a little bit of study, you can pass all the
written theory exams.

I've heard there's going to be a new theory test for licenses higher
than Technician.... they'll give you a box of parts and, without
instructions, ask you to construct a working transciever.

> Compare that to code which seems to need a half hour *every day* for several
> weeks.

Actually I did it in a more interesting way. I was on a 10 day camping
trip and had the 1A practice tapes with me. For five of the ten days it
rained and I was stuck in the tent. You guessed it, Every couple of
hours I'd give the tapes a listen and by the time those 5 days were up I
was able to copy at 5WPM pretty solidly.

> Rich, KD6GZW [yes, no-code, and no-particular-desire-to-learn-it-either]

Well, that's all well and good but please don't start screaming for HF
privs, that's what really pisses alot of people off.

-- Anthony S. Pelliccio, kd1nr/ae // Yes, you read it right, the //


```
-- system @ garlic.sbs.com          // man who went from No-Code    //  
-----// (Thhhppptt!) to Extra in    //  
-- Flame Retardent Sysadmin        // exactly one year!          //  
-----  
-- This is a calm .sig! --  
-----
```

```
-----  
  
End of Info-Hams Digest V93 #505  
*****
```